

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

0306166

T2TT-03S0060-1

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: MANABU AKAMATSU

Appln. No.: 10/674,424

Filing Date: October 1, 2003

Examiner: UNKNOWN

Group Art Unit: 2655

Date: April 30, 2004

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of

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
S-AC	AR	4,922,437	05/1990	SAKATA et al.	710	57	
S-AC	BR	5,243,471	09/1993	SHINN	360	48	
S-AC	CR	5,341,249	08/1994	ABBOTT et al.	360	46	
S-AC	DR	6,014,411	01/2000	WANG	375	259	
S-AC	ER	6,023,386	02/2000	REED et al.	360	51	
S-AC	FR	6,023,783	02/2000	DIVSALAR et al.	714	792	
S-AC	GR	6,108,388	08/2000	DOUILLARD et al.	375	348	
S-AC	HR	6,249,398 B1	06/2001	FISHER et al.	360	65	
S-AC	IR	6,304,985 B1	10/2001	SINDHUSHAYANNA et al.	714	702	
S-AC	JR	6,334,197 B1	12/2001	EROZ et al.	714	701	
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S-AC	LR	2003/0174426 A1	09/2003	AKAMATSU	714	786	
S-AC	MR	2004/0076245 A1	04/2004	OKAMOTO et al.	375	341	
	NR						

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						Enclosed	No	Enclose	No
	OR	3318937	06/2002	Japan			X		X
S-AC	PR	10-255402	09/1998	Japan	OSHIMA	X			X
S-AC	QR	2002-198827	07/2002	Japan	KOKUSAI	X			X
S-AC	RR	2001-211411	08/2001	Japan	MATSUSHITA	X			X
S-AC	SR	2001-344903	12/2001	Japan	KATO et al.	X			X
	TR								
	UR								

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

S-AC	VR	Hagenauer et al., "A Viterbi Algorithm with Soft-Decision Outputs and its Applications," German Aerospace Research Establishment, Institute for Communications Technology, 1989, pages 1680-1686							
S-AC	WR	Yeo et al., "VLSI Architectures for Iterative Decoders in Magnetic Recording Channels," IEEE Transactions of Magnetics, Vol. 37, No. 2, March 2001, Pages 748-755							
S-AC	XR	Isaka et al., "A tutorial on "parallel concatenated (Turbo) coding," "Turbo (iterative) decoding" and related topics," The Institute of Electronics, Technical Report of IEICE, 1998, pages 1-18							
	YR								

Examiner

Date Considered: 5-22-06

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: MANABU AKAMATSU

Appln. No.: 10/674,424

Filing Date: October 1, 2003

Date: December 7, 2004

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of

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Examiner: UNKNOWN

Group Art Unit: 2655

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (If appropriate)
SAC	AR 6,043,946	03/2000	Genheimer et al.	360	63	
SAC	BR 6,038,091	03/2000	Reed et al.	360	46	
	CR					
	DR					
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FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
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	PR							
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	SR							
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	VR							
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	XR							
	YR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SAC ZR Austrian Patent Office Search and Examination Report issued June 4, 2004.

AAR

BBR

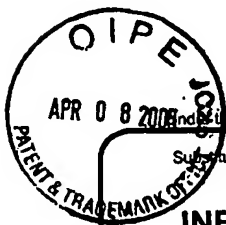
CCR

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5-22-06

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PTO/SB/08a (08-03)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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Complete if Known

Application Number	10/674,424
Filing Date	10/01/2003
First Named Inventor	MANABU AKAMATSU
Art Unit	2655
Examiner Name	Unassigned
Attorney Docket Number	008312-0306166

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
SAC		JP 2002-164946	06/07/2002	KUWABARA et al.		

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Signature

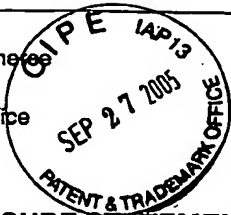
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5-12-06

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: AKAMATSU

Appln. No.: 10/674,424

Filing Date: October 1, 2003

Date: September 27, 2005

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Examiner: Unassigned

Group Art Unit: 2655

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	XR									

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SAC	YR	Japanese Office Action dated August 23, 2005 for Appln. No. 2002-288908
	ZR	
	AAR	
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Applicant: MANABU AKAMATSU

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Examiner: UNKNOWN

Group Art Unit: UNKNOWN

2/3

Date: October 1, 2003

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	QR									
	RR									
	SR									
	TR									
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	WR									
	XR									

OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SAC	YR	Wu, "Coding and Iterative Detection for Magnetic Recording Channels," The Kluwer International Series in Engineering and Computer Science, pages 21-46			
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	AAR				
	BBR				
	CCR				

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